PCT

REQUEST

For receiving	Office use only
International Application No.	20 DEC 2004
International Filing Date	
No.	
Name of receiving Office and "Po	CT International Application"

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty. Name of the Patent Cooperation Treaty.				ing Offi	ice and "PCT Ir	nternational Application	on"
			Applicant's or a (if desired) (12 c			152159.2/NI	Ľ/m
Box No. I TITLE C	F INVENTION						
Marking in	Relief						
Box No. II APPLICA	ANT	This perso	n is also inventor				
Name and address: (Famil The address must include post Box is the applicant's State (th	y name followed by given al code and name of cou at is, country) of residen	n name; for a legal ent entry. The country of t ce if no State of residen	ity, full official design he address indicated ce is indicated below.	nation. in this)	Telephone No.	<u>-</u>	
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PHILIP MORR Quai Jeanre	naud 3			Ì	Teleprinter No.	•	
2000 Neuchâ	tel (Swiţz	erland)			Applicant's reg	istration No. with the	Office
State (that is, country) of n Switzerland	ationality:		State (that is, con Switzer	- •			
This person is applicant for the purposes of:	all designated States	XX all designated the United St	States except ates of America		e United States America only	the States indicate the Supplementa	ted in
Box No. III FURTHER	R APPLICANT(S)	AND/OR (FURTE	IER) INVENTO		•		
ANCONA, Tere Rue St-Jean 1260 Nyon (S	is, country) of residence Sa 12	if no State of residence	e autress maicaied i e is indicated below.)		invento is mark	nt only nt and inventor r only (If this check-bood, do not fill in below, stration No. with the O	<u>) </u>
State (that is, country) of nat US/Switzerla:			State (that is, cour	- '			
This person is applicant	all designated	all designated	Switzer				
for the purposes of:	States	the United Stat	es of America 4	of.	United States America only	the States indicate the Supplemental	ed in Box
Further applicants and	Vor (further) invento	rs are indicated on	a continuation she	eet.			
Box No. IV AGENT OF	COMMON REPR	RESENTATIVE;	OR ADDRESS F	OR CO	DRRESPOND	ENCE	
The person identified below of the applicant(s) before the	is hereby/has been a competent Internati	ppointed to act on ional Authorities as	behalf	xx age	ent	common representative	
lame and address: <i>(Family na The addre</i>	me followed by given na ss must include postal c	ume; for a legal entity, ode and name of cour	full official designati ntry.)		elephone No.	335 20 00	
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3000 Berne 25		nd)		Те	leprinter No.		l
				Ag	ent's registration	on No. with the Office	
Address for correspond space above is used ins	dence: Mark this ch tead to indicate a spe	neck-box where no ecial address to wh	agent or common	represe	entative is/has b ld be sent.	een appointed and the	\neg
							

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Continuation of Box No. III FURTHER APPLICANT(S)	AND/OR (FURTHER) INVENTOR(S)
If none of the following sub-boxes is used, this sheet should no	ot be included in the request.
Name and address: (Family name followed by given name; for a legal entitude address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence is the applicant's State (that is, country) are addressed and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence is the applicant's State (that is, country) are addressed and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence is the applicant's State (that is, country) of residence if no State of residence is the applicant of the applicant is state (that is, country) of residence if no State of residence is the applicant of the applicant is state (that is, country) of residence if no State of residence is the applicant is state of the applicant is applicant is state of the applicant is applicant	he address indicated in this
State (that is, country) of nationality:	State (that is, country) of residence:
Switzerland	Switzerland
This person is applicant for the purposes of: all designated the United States all designated the United States	States except the United States the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity. The address must include postal code and name of country. The country of the Box is the applicant's State (that is, country) of residence if no State of residence.	address indicated in this
State (that is, country) of nationality:	State (that is, country) of residence:
This person is applicant for the purposes of: all designated States all designated States all designated States	States except the United States the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity, The address must include postal code and name of country. The country of the a Box is the applicant's State (that is, country) of residence if no State of residence is	applicant only applicant and inventor inventor only (If this check-box is marked, do not fill in below.) Applicant's registration No. with the Office
State (that is, country) of nationality:	State (that is, country) of residence:
This person is applicant for the purposes of: all designated the United States all designated the United States	ates except the United States the States indicated in the Supplemental Box
Name and address: (Family name followed by given name; for a legal entity, fu The address must include postal code and name of country. The country of the ad Box is the applicant's State (that is, country) of residence if no State of residence is i	there indicated in this
state (that is, country) of nationality:	ate (that is, country) of residence:
This person is applicant all designated all designated States or the purposes of: all designated the United States or the United State	es except of America
Further applicants and/or (further) inventors are indicated on and	other continuation sheet.

Sheet No. ..3....

Box No. V DESIGNATIO	on of states	Mark the applicable cl	neck-boxes below;	at leas	nt one must be marked.
The following designations a	re hereby made under	Rule 4.9(a): **SI	Slovenia	, s	K Slovak Rep.
Regional Patent					
SL Sierra Leone, S2 State which is a Co	Z Swaziland, TZ Unite ontracting State of the	ed Republic of Tanzani	a, UG Uganda, Zi of the PCT <i>(if oth</i>	M Zan er kind	vi, MZ Mozambique, SD Sudan, mbia, ZW Zimbabwe, and any other dof protection or treatment desired,
	tion, TJ Tajikistan, T	-	· •		akhstan, MD Republic of Moldova, a Contracting State of the Eurasian
DK Denmark, ES S MC Monaco, NL N	pain, FI Finland, FR	France, GB United Kingal, SE Sweden, TR T	ngdom, GR Greec urkey, and any of	e, IE i her St	Istein, CY Cyprus, DE Germany, Ireland, IT Italy, LU Luxembourg, ate which is a Contracting State of ech Rep., EE Eston
GA Gabon, GN Gui TD Chad, TG Togo,	inea, GQ Equatorial (, and any other State v	Suinea, GW Guinea-B thich is a member Stat	issau, ML Mali, le of OAPI and a C	MR M	CI Côte d'Ivoire, CM Cameroon, lauritania, NE Niger, SN Senegal, cting State of the PCT (if other kind
National Patent (if other kin					
AE United Arab Emirates		A Gambia		NZ	New Zealand
AG Antigua and Barbuda		R Croatia		_	
				_	Philippines
AM Armenia	·····································	Indonesia			Poland
AT Austria	y. IIAOCI 🖭 IIA M	Israel			Portugal
AZ Azerbaijan				-	Russian Federation
AL Azerbayan		Janan			
BB Barbados	⊠ KE	Kenya		SD	Sudan
BG Bulgaria	⊠ K0	Kyrgyzstan	X	SE	Sweden
BR Brazil					Singapore
BY Belarus					Seychelles
					Slovakia+.UM
CA Canada		The state of the s			Sierra Leone
CH & LI Switzerland and I	Liechtenstein 🖾 LC	Saint Lucia	X	TJ	Tajikistan
CN China			₹	TM	Turkmenistan
CO Colombia	🖾 LR	Liberia	凶	TN	Tunisia
CR Costa Rica	🖾 LS	Lesotho		TR	Turkey
CU Cuba	🖾 LT	Lithuania	X	TT	Trinidad and Tobago
Z CZ Czech Republic +	.um 🛮 🖾 Lu	Luxembourg	<u></u>		• • • • • • • • • • • • • • • • • • • •
DE Germany+					United Republic of Tanzania
DK Denmark +			<u>🛚</u>	UA	Ukraine
DM Dominica	KI MI	_			Uganda
DZ Algeria					United States of America
EC Ecuador	IM EXIMO	Madagascar			
EE Estonia		The former Yugoslav	-		Uzbekistan
ES Spain		Macedonia	<u></u>		Viet Nam
FI Finland ±		Mongolia			Yugoslavia
GB United Kingdom	<u></u>				South Africa
GD Grenada		Mexico			
GE Georgia		Mozambique	KI	ZW	Zimbabwe
GH Ghana	&I NO	Norway			
heck-boxes below reserved for	r designating States w	hich have become par	ty to the PCT after	r issua	ance of this sheet:
NI Nicaragua	П	A A A A A A A A A A A A A A A A A A A			
PG Danua Morr C					
					t also makes under Rule 4.9(b) all
					n the Supplemental Box as being
					re subject to confirmation and that of be regarded as withdrawn by the
-	_				fice within the 15-month time limit.)

Sheet	No		1	1			
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Box No. VI PRIORIT	Y CLAIM				
The priority of the followi	ng earlier application(s) is her	eby claimed:			
Filing date	Number	1	Where earlier application	is:	
of earlier application (day/month/year)	of earlier application	national application: country	regional application:* regional Office	international application receiving Office	
item(1) 21 June 2002 (21/06/2002)	02405517.0		European Patent Offi	ce	
item (2)					
item (3)					
item (4)					
item (5)					
Further priority claims	are indicated in the Suppleme	ental Box.			
if the earlier application was	ested to prepare and transmit t filed with the Office which for	to the International Bureau the purposes of this internati	a certified copy of the estional application is the re	arlier application(s) (only ceiving Office) identified	
above as: all items item	(1) item (2)	item (3) item (4)	other, see Supplemental Box	
* Where the earlier applicati Industrial Property or one M	on is an ARIPO application, in Tember of the World Trade On	ganization for which that ea	rlier application was file	tion for the Protection of d (Rule 4.10(b)(ii)):	
Box No. VII INTERNAT	TONAL SEARCHING AUT	·			
Choice of International Ses	urching Authority (ISA) (if to the Authority chosen; the two-	vo or more International Sec letter code may be used):	arching Authorities are co	empetent to carry out the	
ISA /			• • • • • • • • • • • • • • • • • • • •	•••••••	
Request to use results of ea International Searching Author	rlier search; reference to th	at search (if an earlier sea	rch has been carried out	by or requested from the	
Date (day/month/year)	Numbe		y (or regional Office)		
18/11/2004	EP 02 40 55	17 Europear	Patent Offi	ce	
Bex No. VIII DECLARAT	TONS				
	re contained in Boxes Nos. Vete in the right column the number			Number of declarations	
Box No. VIII (i)	Declaration as to the identity	of the inventor		:	
Box No. VIII (ii)	Declaration as to the applica date, to apply for and be gran		nternational filing	:	
Box No. VIII (iii)	Declaration as to the applicadate, to claim the priority of		international filing	:	
Box No. VIII (iv)	Declaration of inventorship (United States of America)	only for the purposes of th	e designation of the	: 1	
Box No. VIII (v)	Box No. VIII (v) Declaration as to non-prejudicial disclosures or exceptions to lack of novelty:				

Box No. VIII (iv) DECLARATION: INVENTORSHIP (only for the purposes of the designation of the United States of America)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to (v)

The declaration must conform to the following standardized wording provided for in Section 214; see Notes to Boxes Nos. VIII, VIII (i) to ((in general) and the specific Notes to Box No. VIII (iv). If this Box is not used, this sheet should not be included in the request.

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America:

	I hereby declare that I believe I am the original, first and sole (if only one inventor is listed below) or joint (if more than one inventor is listed below) inventor of the subject matter which is claimed and for which a patent is sought.				
	This declaration is directed to the international application of which it forms a part (if filing declaration with application).				
	This declaration is directed to international application No. PCT/				
	I hereby declare that my residence, mailing address, and citizenship are as stated next to my name.				
	I hereby state that I have reviewed and understand the contents of the above-identified international application, including the claims of said application. I have identified in the request of said application, in compliance with PCT Rule 4.10, any claim to foreign priority, and I have identified below, under the heading "Prior Applications," by application number, country or Member of the World Trade Organization, day, month and year of filing, any application for a patent or inventor's certificate filed in a country other than the United States of America, including any PCT international application designating at least one country other than the United States of America, having a filing date before that of the application on which foreign priority is claimed.				
ŀ	Prior Applications: Europe 21. June. 2002 02405517.0				
	•••••••••••••••••••••••••••••••••••••••				
	I hereby acknowledge the duty to disclose information that is known by me to be material to patentability as defined by 37 C.F.R. § 1.56, including for continuation-in-part applications, material information which became available between the filing date of the prior application and the PCT international filing date of the continuation-in-part application.				
	I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.				
	Name: Teresa ANCONA				
	Residence: . 1.2.60. Nyon . (.Swi.tzerland.)				
	Mailing Address: Rue St-Jean 12 1260 Nyon (Switzerland)				
	Citizenship: .U\$/Switzerland				
	Inventor's Signature: (signature) (if not contained in the request, or if declaration is corrected or added under Rule 26ter after the filing of the international application. The signature must be that of the inventor, not that of the agent) Date: 3. February 20.03 (of signature which is not contained in the request, or of the declaration that is corrected or added under Rule 26ter after the filing of the international application)				
]	Name: Tony MANGANELLI 1007 Lausanne (Switzerland) Residence: (city and either US state, if applicable, or country)				
1	Mailing Address: Av., .des Bains 36 1007 Lausanne (Switzerland)				
(Citizenship: . Swi.tzerland				
(aaa	nventor's Signature: (.signature)				
L	This declaration is continued on the following sheet, "Continuation of Box No. VIII (iv)".				

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Sheet	No	O	

Box No. IX CHECK LIST; LANGUAGE OF FILING					
This international application contains: (a) the following number of	This international application is accompanied by the following item(s) (mark the applicable check-boxes below and indicate in right column the number of each item):	Number of items			
sheets in paper form: request (including	1. fee calculation sheet	: 1			
declaration sheets) : 6	2. original separate power of attorney	: 1			
description (excluding	3. original general power of attorney	:			
sequence listing part) : 7 claims : 3	4. copy of general power of attorney; reference number,				
abstract : 1	if any:	:			
drawings :3	5. statement explaining lack of signature	:			
Sub-total number of sheets: 20	6. priority document(s) identified in Box No. VI as item(s):	: 1			
sequence listing part of description (actual manber	7. translation of international application into (language):				
of sheets if filed in paper form, whether or not also filed in computer readable	8. separate indications concerning deposited microorgan or other biological material				
form; see (b) below) : Total number of sheets :	9. sequence listing in computer readable form (indicate al and number of carriers (diskette, CD-ROM, CD-R or o	so type			
(b) sequence listing part of description filed in	(i) copy submitted for the purposes of international				
computer readable form (i) □ only (under Section 801(a)(i))	under Rule 13ter only (and not as part of the international application)	; d in lat			
(ii) ☐ in addition to being filed in paper form (under Section 801(a)(ii))	(ii) (only where check-box (b)(i) or (b)(ii) is marked column) additional copies including, where app the copy for the purposes of international search Rule 13ter	olicable,			
Type and number of carriers (diskette, CD-ROM, CD-R or other) on which the sequence listing part is contained (additional copies to be indicated under item 9(ii), in	(iii) together with relevant statement as to the identi of the copy or copies with the sequence listing p mentioned in left column				
right column):	10. 🕅 other (specify): Search Report	1			
Figure of the drawings which	Language of filing of the				
should accompany the abstract: 3	international application: French				
	F, AGENT OR COMMON REPRESENTATIVE ning and the capacity in which the person signs (if such capacity is not obvious)	from reading the request).			
	BOVARD LTD J. Aebischer				
	For receiving Office use only				
1. Date of actual receipt of the purported		2. Drawings:			
international application:		received:			
3. Corrected date of actual receipt due to later be timely received papers or drawings completing the purported international application:	out ng				
4. Date of timely receipt of the required corrections under PCT Article 11(2):		not received:			
5. International Searching Authority (if two or more are competent): ISA /					
	For International Bureau use only				
Date of receipt of the record copy by the International Bureau:					

TRANSLATION

Power of Attorney (valid for a predetermined international application)

PATENT CO-OPERATION TREATY APPOINTMENT OF AN AGENT OR COMMON REPRESENTATIVE

POWER OF ATTORNEY

The undersigned applicant(s)

Philip Morris Products S.A. Quai Jeanrenaud 3 2000 Neuchâtel (Switzerland)

hereby appoint Mr (Mrs, Ms) [name, address]:

BOVARD LTD Optingenstrasse 16 CH-3000 Berne 25 (Switzerland)

[X] as agent

[] as common representative

to act in his (their) name before the competent international authorities concerning the international application relating to [title of invention, reference to the dossier of the applicant or of the agent, if it has been indicated in the application, number of the international application if it is already available]:

"Marking in Relief"

filed with the Federal Institute of Intellectual Property, as the receiving office or to receive payments in his (their) name.

Place: Neuchâtel

Date: 13th June 2003

Signature of the applicant (if there are more than one, all must sign):

(signature)

(signature)

Inventors:

Dr. Richard H. Cox

Jean Bernard Boder

(signature)

Sr. Vice President

Director

Teresa ANCONA

Worldwide R&D PHILIP MORRIS PRODUCTS S.A. (signature)

Tony MANGANELLI

2000 NEUCHÂTEL

Please typewrite the name under each signature.